

**H Table ET4. Commercial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2016, Hawaii**

A W A I	Primary Energy											Retail Electricity	Total Energy f,g,h	
	Coal	Natural Gas <sup>a</sup>	Petroleum						Biomass					
			Distillate Fuel Oil	HGL <sup>b</sup>	Kerosene	Motor Gasoline <sup>c</sup>	Residual Fuel Oil	Total <sup>d</sup>	Wood and Waste <sup>e,f</sup>	Total f,g,h				
Year	Prices in Dollars per Million Btu													
1970	—	—	1.12	0.89	0.85	3.32	0.42	1.38	—	1.38	9.92	4.93		
1975	—	—	2.60	1.85	5.44	1.59	2.90	—	2.90	16.50	11.42			
1980	—	12.70	6.60	3.65	—	10.81	3.86	5.89	—	7.89	26.40	16.60		
1985	—	13.34	5.89	9.41	11.07	11.14	4.60	7.40	—	10.86	34.41	25.33		
1990	—	11.45	5.57	8.88	7.37	11.71	3.83	4.87	—	6.31	29.77	16.02		
1995	—	12.40	5.01	10.04	5.00	11.48	2.93	5.30	—	8.58	35.65	26.31		
1996	—	13.62	5.94	11.26	5.22	12.15	3.51	6.96	—	10.72	38.05	30.03		
1997	—	15.31	5.34	11.47	4.85	12.25	3.54	6.59	—	9.88	38.86	29.30		
1998	—	13.40	4.08	10.01	6.51	11.98	2.58	3.62	—	4.79	36.08	16.85		
1999	—	13.58	5.34	10.31	6.46	11.31	3.04	7.23	—	9.92	37.33	29.05		
2000	—	16.51	7.72	12.96	9.57	13.42	4.95	10.26	—	12.86	43.41	34.33		
2001	—	17.00	6.79	14.13	8.74	14.52	4.52	11.26	—	13.90	43.53	35.66		
2002	—	16.80	6.32	11.71	8.91	12.40	4.02	8.60	—	11.63	41.49	32.24		
2003	—	18.63	7.66	12.62	8.82	15.19	—	9.58	—	13.30	44.02	35.69		
2004	—	20.44	10.58	14.44	11.25	17.22	5.36	11.78	1.78	11.22	47.45	34.16		
2005	—	24.57	14.40	17.32	13.34	20.71	7.34	15.34	2.23	14.69	55.79	40.69		
2006	—	27.98	16.62	19.89	21.46	23.96	8.67	17.71	1.70	15.99	62.79	45.12		
2007	—	27.30	17.76	21.60	23.52	24.54	9.89	19.21	2.14	16.60	64.21	47.79		
2008	—	37.40	23.71	25.15	29.16	29.37	—	24.61	2.26	20.05	87.11	61.74		
2009	—	28.85	14.20	19.27	24.33	22.86	—	17.18	1.45	15.02	64.07	44.03		
2010	—	35.14	18.18	20.79	26.10	27.92	—	R 19.81	1.66	R 17.59	75.99	R 51.93		
2011	—	43.49	24.52	25.46	31.33	34.41	—	R 25.20	1.77	R 22.65	94.88	R 64.32		
2012	—	44.96	25.25	18.75	32.83	36.19	—	R 21.72	1.59	R 21.83	102.23	R 68.84		
2013	—	41.67	24.54	19.71	32.45	34.81	—	R 21.81	1.41	R 18.72	99.81	R 63.82		
2014	—	42.15	23.14	20.45	32.29	33.68	—	R 21.77	R 1.70	R 18.85	100.27	R 62.31		
2015	—	31.74	14.62	12.82	—	27.65	—	R 17.75	R 1.50	R 15.23	78.92	R 47.94		
2016	—	27.54	12.35	12.98	—	24.05	—	16.51	0.82	12.87	72.22	42.77		
Expenditures in Million Dollars														
1970	—	—	1.1	1.1	0.4	2.3	0.1	5.1	—	5.1	26.1	31.2		
1975	—	—	1.3	1.7	0.6	2.8	0.2	6.5	—	6.5	62.5	69.0		
1980	—	21.0	15.3	4.4	—	3.1	0.6	23.4	—	44.3	131.7	176.0		
1985	—	26.8	4.5	2.7	0.1	2.8	0.6	10.6	—	37.5	189.3	226.8		
1990	—	27.2	14.7	3.2	(s)	3.6	19.9	41.4	—	68.6	228.8	297.4		
1995	—	28.6	10.0	2.4	(s)	0.7	1.1	14.3	—	42.9	337.9	380.8		
1996	—	30.7	7.7	3.4	(s)	0.7	0.3	12.1	—	42.8	366.0	408.8		
1997	—	27.6	12.2	6.4	(s)	0.7	0.2	19.5	—	47.2	376.3	423.5		
1998	—	24.7	5.0	15.8	(s)	0.7	27.6	49.2	—	73.9	348.8	422.6		
1999	—	25.1	8.1	9.2	(s)	0.7	0.1	18.1	—	43.2	375.0	418.2		
2000	—	30.6	9.8	15.9	(s)	0.8	0.3	26.8	—	57.4	458.0	515.4		
2001	—	30.8	5.4	17.6	(s)	0.9	0.2	24.0	—	54.8	474.2	529.0		
2002	—	30.6	11.4	14.6	(s)	0.8	(s)	26.8	—	57.4	456.3	513.7		
2003	—	34.2	12.6	11.7	(s)	0.9	—	25.2	—	59.4	528.3	587.7		
2004	—	38.6	23.5	13.6	(s)	1.1	0.1	38.3	3.6	80.6	588.1	668.7		
2005	—	46.8	32.2	16.7	(s)	1.3	0.1	50.3	3.7	100.9	659.3	760.2		
2006	—	53.1	37.8	19.6	(s)	1.5	(s)	59.0	3.4	115.5	747.6	863.1		
2007	—	52.0	28.9	18.5	(s)	1.5	(s)	49.0	4.0	105.0	771.2	876.2		
2008	—	69.0	30.3	38.9	(s)	1.8	—	71.0	5.7	145.8	1,040.5	1,186.2		
2009	—	52.6	22.4	39.9	(s)	1.4	—	63.7	3.5	119.8	740.6	860.4		
2010	—	64.9	27.8	42.4	(s)	1.7	—	71.9	4.2	R 141.0	869.8	R 1,010.8		
2011	—	80.6	42.4	61.6	(s)	2.1	—	R 106.1	4.2	R 190.9	1,090.4	R 1,281.3		
2012	—	87.0	38.8	39.9	(s)	2.2	—	R 80.9	3.5	R 171.4	1,129.5	R 1,301.0		
2013	—	78.5	36.1	45.3	(s)	2.2	—	R 83.7	4.5	R 166.7	1,114.0	R 1,280.6		
2014	—	78.1	43.1	51.1	(s)	2.0	—	R 96.3	R 5.5	R 179.9	1,095.5	R 1,275.4		
2015	—	59.5	19.0	29.7	—	R 43.2	—	R 91.9	R 4.8	R 156.2	854.8	R 1,011.0		
2016	—	52.0	11.2	30.2	—	38.2	—	79.5	3.1	134.6	766.7	901.3		

<sup>a</sup> Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

<sup>b</sup> Hydrocarbon gas liquids, assumed to be propane only.

<sup>c</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in the expenditure series between 2014 and 2015 because of changes in consumption estimates from the source. See Consumption Technical Notes, Section 4.

<sup>d</sup> Includes small amounts of petroleum coke not shown separately.

<sup>e</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

<sup>f</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of the use of wood and biomass waste beginning in 1989.

<sup>g</sup> There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.

<sup>h</sup> For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

Where shown, R = Revised data and (s) = Value less than 0.05 million dollars.

Where shown, — = No consumption, including cases where adjustments were made. See explanation of adjustments in Section 7 of the Technical Notes.

Notes: Expenditure totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants.

Web Page: All data are available at <https://www.eia.gov/state/seeds/seeds-data-complete.php>.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.